

Claims

1. A process for the isolation of the product from a high pressure, for example supercritical, process which process comprises the isolation of the product as a suspension in a non-supercritical fluid.
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2. A product, which product has been isolated from a high pressure, for example supercritical, process as a suspension in a non-supercritical fluid.
- 10 3. An apparatus for the isolation of the product of a high pressure, for example supercritical, process, which apparatus comprises a means for the introduction of a non-supercritical fluid into one or more particle formation vessels, one or more collection vessels with a means of controlling the temperature and pressure of said collection vessels, and optionally a
15 homogenisation vessel located between the particle formation vessel(s) and the collection vessel(s).
4. A product obtainable by isolation from a high pressure, for example supercritical, process as a suspension in a non-supercritical fluid.
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5. An apparatus for the homogenisation of the product of a high pressure, for example supercritical, process which apparatus comprises a stirred vessel or vessels to contain the components in suspension and a homogeniser such as a rotor stator homogeniser.
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6. A process for the homogenisation of the product of a high pressure, for example supercritical, process which process comprises the steps of mixing the particulate components with the non-supercritical fluid, stirring the particulate components in the non-supercritical fluid to create a slurry or suspension and a
30 step whereby this slurry of suspension is fed through a homogeniser and returned to the bulk suspension.
7. A process for the isolation of the product from high pressure, for example supercritical, processes, which process comprises the isolation of a product
35 comprising more than one component wherein each component has been formed in separate, high pressure, for example supercritical, processes.
8. A product which product has been isolated from separate high-pressure, for example supercritical, processes which product comprises more than one
40 component.

9. A product according to claim 8 wherein the product comprises two components.
10. A product according to claim 9 wherein the second component coats the first component either partially or completely.
11. A product according to any one of the preceding claims which product has been isolated from a high pressure for example supercritical, process as a suspension which consists of one or more components which have been prepared by a particle formation process as described, with one or more components that have been prepared in a different way, and introduced into the described process by charging as powders.
12. An process as described in any one of the preceding claims which process facilitates continuous or semi-continuous formation and isolation of products from a high pressure, for example supercritical process.